

A NEW SPECIES OF *PILOSANA* FROM COSTA RICA (HOMOPTERA: CICADELLIDAE)¹

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ABSTRACT: A new species of leafhopper, *Pilosana bivirgata*, is described and illustrated. Eighteen species now comprise this Neotropical genus in the tribe Youngolidiini.

The genus *Pilosana* was erected by Nielson (1983) in the tribe Youngolidiini (Coelidiinae) and 13 species, mostly from Brazil, were treated. Four new species from Brazil were subsequently described by Nielson (1992). This paper describes a third species from Costa Rica, which represents the extreme northern range of this Neotropical group.

Pilosana bivirgata, NEW SPECIES

Figs. 1-5

Length male, 7.30 mm.

General color black; forewing with broad yellow longitudinal stripe on clavus, apex and costa tinged with pale markings. Similar to *P. bifurcata* Nielson in male genital characters but a larger species with distinctive lobe on caudoventral margin of pygofer.

Dorsal and ventral features as in description of genus.

Male. Pygofer with single tuft of short setae and large caudoventral lobe (Fig. 1), lobe with small tooth on ventromedial margin (Fig. 2); aedeagus narrow with asymmetrical, bifurcate, subapical process on ventral margin, gonopore subapical on lateral margin (Fig. 3); style typical of genus (Fig. 4); plate long, narrow, with long microsetae subbasally and apically (Fig. 5).

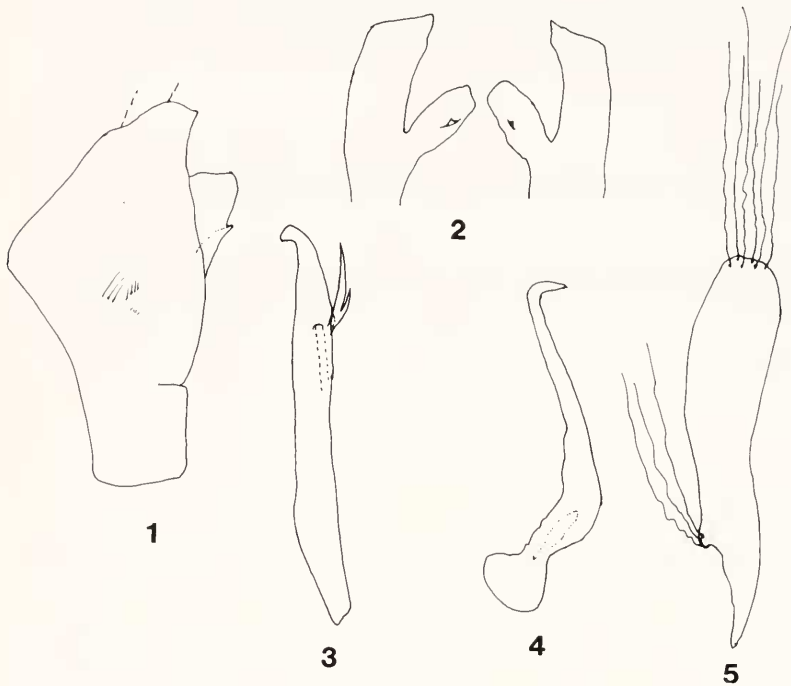
Female. Unknown.

Holotype (male). COSTA RICA: Puntarenas, Monte Verde, 1400 m. 14-16.VII.1989, light intercept trap, Robert E. Beer (UK). Paratype male, same data as holotype, in collection of the author.

Remarks. This species is one of the largest in the genus *Pilosana* and can be distinguished from *bifurcata* by its much larger size, the large dentate caudoventral lobe of the pygofer and by the yellow stripe on the clavus. The species keys to couplet 11 in my 1983 paper.

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Figs. 1-5. *Pilosana bivirgata*, n. sp. 1. Male pygofer, lateral view. 2. Apex of male pygofer and processes, ventral view. 3. Aedeagus, lateral view. 4. Style, lateral view. 5. Plate, ventral view.

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